



AEROSPACE RECOMMENDED PRACTICE

ARP5284™

REV. B

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Superseding ARP5284A

TLTV - Aircraft NLG Steering and Tractive Force Protection
Systems or Alerting Devices - Inspection, Maintenance
and Calibration Requirements

RATIONALE

ARP5284B has been reaffirmed to comply with the SAE Five-Year Review policy.

FOREWORD

This SAE Aerospace Recommended Practice (ARP) describes the requirements and procedures for the inspection, maintenance and calibration of towbarless towing vehicles (TLTV) aircraft nose landing gear (NLG) tractive force (where applicable) and steering protection systems or alerting devices.

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Documents

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1. SCOPE

- 1.1 To list the documentation required to ensure inspection, maintenance and calibration of the TLTV's aircraft NLG steering and tractive protection systems or alerting devices can be carried out in accordance with the requirements of this document and the referenced standards.
- 1.2 To specify inspection, maintenance and calibration requirements and procedures.
- 1.3 To specify special tools requirements.
- 1.4 To specify training requirements.
- 1.5 To specify recording, traceability and accountability requirements.

2. REFERENCES

2.1 Applicable Documents

The following publications form a part of this document to the extent specified herein. The latest issue of SAE publications shall apply. The applicable issue of other publications shall be the issue in effect on the date of the purchase order. In the event of conflict between the text of this document and references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

2.1.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), www.sae.org.

ARP4852	Design Specification for Towbarless Push-Back Tow Vehicles
ARP4853	Design Specification for Towbarless Tow Vehicles
ARP5283	Nose Gear Towbarless Tow Vehicle Basic Test Requirements
ARP5285	Towbarless Towing Vehicle Operating Procedure
ARP5911	Regional Aircraft Towbarless Tow Vehicle - Test Requirements
ARP5916	Design Specification for Regional Aircraft Towbarless Tow Vehicle for Pushback and/or Maintenance Towing Operations

2.2 Applicable References

TLTV manufacturers' inspection, calibration and maintenance requirements and procedures

TLTV manufacturers' maintenance manuals

Applicable airframe manufacturers' towbarless vehicle test requirements or criteria documents

Applicable airframe manufacturers' manuals

ISO 20683-1, Aircraft ground equipment - Design, test and maintenance for towbarless towing vehicles (TLTV) interfaced with nose-landing gear - Part 1: Main-line aircraft

IATA AHM 957, Functional Specification for Nose Gear Towbarless Tractor